University Defence Research Collaboration and the Alan Turing Institute
Joint Themed Meeting Programme
Data Science, Signal Processing and Defence

This joint meeting between the University Defence Research Collaboration and the Alan Turing Institute will investigate the challenges that are involved in Data Science and Signal Processing in a defence context. This meeting aims to identify synergies, share experiences and views, and to understand challenges in this important area.

Location: Alan Turing Institute, 1st Floor, Enigma Room, British Library, 96 Euston Road, London NW1 2DB

Wednesday, November 29, 2017	
09:00 to 09:30	**Refreshments**
09:30 to 09:40	Welcome and introduction, Mark Briers, Alan Turing Institute
09:40 to 10:05	Privacy preserving data analysis, Adria Gascon, Alan Turing Institute
10:05 to 10:30	Building more discriminative feature spaces for deep learning in video, Neil Robertson, Queens University Belfast
10:30 to 10:55	Contextual information in network anomaly detection, Fran Aparicio-Navarro, Newcastle University
10:55 to 11:20	Network-based inference and structure discovery, Simon Godsill, Cambridge University
11:20 to 11:45	**Refreshments**
11:45 to 12:10	Deep learning for textualization of images, TBC, Roke Manor
12:10 to 12:35	Matrix completion/compressed sensing with expander graphs, Jared Tanner, Alan Turing Institute
12:35 to 13:00	Multiway analysis for data science, Danilo Mandic, Imperial College London
13:00 to 13:40	**Lunch**
13:40 to 14:05	Reinforcement learning for optimal adaptive waveform design in MIMO active sensing systems, Steven Herbert, University of Edinburgh
14:05 to 14:30	Bots versus humans on social media- what are the tells?, Jon Crowcroft, Alan Turing Institute
14:30 to 14:55	Global Interaction Networks Predict the Geography of Conflict, Weisi Guo, Alan Turing Institute
14:55 to 15:20	Making sense of sounds, Wenwu Wang, University of Surrey
15:20 to 15:50	Dstl challenge competitions, Jordi Barr, Dstl
15:50 to 16:00	**Discussion and Close**